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User Manual - Eng2Order Suite Version 17

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UserManual

Eng2Order Suite

Version 17

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1 PREMISE

This document contains a user guide of the Eng2Order Suite App.

2 APP SETUP

2.1 Setup Eng2Order Suite

In the menu **Eng2Order Suite Setup** there are several items to set:

Eng2Order Suite Setup

General

Enable Eng2Order Suite	<input checked="" type="checkbox"/>	Location Template Co...	CA
Enable production job	<input checked="" type="checkbox"/>	Location Template Inv...	CA
Automatic Allign Prod...	<input checked="" type="checkbox"/>	Keep order on posting	<input type="checkbox"/>
Auto Allign Transf. Order	<input checked="" type="checkbox"/>		

Production

Default level job BOM...	0	Keep rows in other re...	<input checked="" type="checkbox"/>
Transfer location for job	PROP. LOG.	Combine purchase or...	<input checked="" type="checkbox"/>
Always Update Job SKU	<input checked="" type="checkbox"/>	Department Location	

Planning

Job requisition wksh. ...	Automatic For Job Location	Default Planned Sales...	<input checked="" type="checkbox"/>
Job req. wksh. template	PIANIFIC	Remove Block on Job ...	<input checked="" type="checkbox"/>

Setup

Spare Parts Location	SPARES
----------------------	--------

General:

- **Enable Eng2Order Suite:** ✓
- **Enable production job:** ✓
- **Automatic Allign Prod.Order:** ✓
- **Auto Allign Transf. Order:** ✓
- **Location Template Code: CA** defines the location template for the creation of job locations where you can set up the reference warehouse of the job (grouping all job locations in reference to a single location, e.g. BLU location)
- **Location Template Inv. Setup: CA** defines the location template for the automatic creation of accounting data (warehouse registration setup, warehouse paths)
- **Keep order on Posting:** ✓ allows to keep the Sales Order after posting the invoice

Production:

- **Default level job BOM: 0** the default explosion level of the BOM (0 = all levels)
- **Transfer location for Job: PROP.LOG** defines the Transfer warehouse for the job
- **Always update SKU:** ✓ update of SKU settings

- **Keep rows in other reports on regenerative MRP:** ✓ keeps the lines of the other reports on regenerative MRP
- **Combine purchase orders/work account on reference location:** ✓ grouping for all locations that have the same reference warehouse if the reference warehouse value is entered
- **Department location:** Default location for creating Transfer Order from component lines

Planning:

- **Job requisition wksh. name:** Automatic for Job Location
- **Job requisition wksh. Template:** PIANIFIC
- **Default Planned Sales Ord. Lines:** ✓
- **Remove Block on Job Customer:** ✓ allows to change the customer in the order

Setup:

- **Spare Parts Location:** SPARES

3 APP FEATURES

3.1 Job Management

The management process of the Job is divided in the following steps:

- Job creation
- Related master data (items, BOMs, routings)
- Planning
- Query and process of planning results
- Purchase orders
- Transfer orders
- Production orders
- Job situation query
- Creation of sales order
- Shipment and Invoicing

3.2 Job Creation

Main fields of the Job:

No. = in case of new Job proposes an internal number sequence

Bill-to Customer No. = Customer account to bill

With the activation of the Eng2Order APP, a series of additional fields appear in the job:

- **AspJob Type Code** – the choice of a job type allows the automatic compilation of job order tasks (WBS) starting from the model preloaded on the job type. This pre-compilation also inherits a series of information necessary for some automatisms (es. C1 – Job with Production, C2- Only Consulting, C3 – Only Production)

The structure of the job can change depending on the type of job.

Select - Job Types | 🔍 + New Edit List ...

Code T	Description
→ C1	Job with Production
C2	Only Consulting
C3	Only Production

Let's see the example for the job type C1 (job with production):

Job Card | Work Date: 16/09/2020

Select - Job Types | 🔍 + New Edit List ...

Code T	Description
→ C1	Job with Production
C2	Only Consulting
C3	Only Production

More options: Job Task Lines (Shift+Ctrl+T), Show as menu

The tasks structure of job C1:

C1 | Work Date: 16/09/2020

Job Type Task Lines | 🔍 Search + New Edit List Delete More options

Job Task No.	Description	Job Task Type	Job Task Category Code	Totaling	Job Posting Group	WIP-Total	WIP Method	Warranty
→ 00100	Beginning	Begin-Total						<input type="checkbox"/>
00110	Manufacturing	Posting	M		PIANIFICA			<input type="checkbox"/>
00120	Consulting	Posting	C					<input type="checkbox"/>
00130	Warranty	Posting						<input checked="" type="checkbox"/>
00200	End	End-Total		00100.00200				<input type="checkbox"/>

- **Job Task Type:** only on the analytical tasks it will be possible to link planning lines, while on the Totals tasks will be displayed the Totals of task value
- **Totaling:** Revenue and cost value counters are calculated in Total type lines
- **Warranty** = Flag that must be filled in for the warranty tasks to be able to ship without charging on the customer.
- **Job Task Category Code:** fundamental indicator for the correct management of the job flow, if for that task will be used the job location, if it will be managed a Sales order, if it is a budget line.

Select - Job Task Categories | 🔍 + New Edit List ...

Code T	Description	Job Location Enabled	Line Type	Default vendite con online	Align Sales Order
→ C	Consulting	<input type="checkbox"/>	Both Budget and Billable		<input type="checkbox"/>
→ M	Machines produced	<input checked="" type="checkbox"/>	Budget	Only Sales With Order	<input checked="" type="checkbox"/>

The Eng2Order Suite app links all business flows (passive, active cycle) with jobs (job that collects all the information about it).

In particular, in the Job Task Categories table are defined the parameters with which the tasks will be created automatically on the job from the procedure for the job:

- **Code:** Code Category
- **Description:** task type description
- **Job Location Enabled:** ☒ when will be created a task, inside the job is created a location linked to this task
- **Line Type:** the planning line linked to the task will be a budget type
- **Default sales with order:** Only Sales With Order – the planning line will move with sales order only
- **Align Sales Order:** ☒ aligns the sales order, if, for example, the date of the sales order or the delivery date or the quantity, will be changed in the Sales order; this data will be aligned on the planning line and vice versa.

3.3 Planning Lines Entry

For each task of the Analytical type, in Job planning lines, it is possible to enter the lines of resource type, services, item, G/L accounts handled for that task/job. In the planning lines it is possible to define whether the sale/invoicing will be managed through the Sales order or by invoicing directly from the job. On the same planning line, one management excludes the other. The lines can be defined according to the following types:

- **Budget** → the item represents a forecast value of cost and / or "potential" revenue, but the line is not billable directly (typical use: costs, activities or materials to be planned for using in the job task;
- **Billable** → the item represents a forecast value of "billable" revenue per customer and / or "potential" cost (typical use: invoicing lines that do not involve a direct acquisition cost or whose cost has been entered in separate Budget lines);

- **Both Budget and Billable** → in the same planning line the **Budget** and **Billable** values are managed simultaneously (typically used for product sales lines with purchase/production and sales management).

Job Planning Lines | Search | + New | Edit List | Delete | Process | Report | Actions | Related | Reports | Fewer options

Job Task No. ↑	Line Type	Planning Date	Planned Delivery Date	Document No.	Type	No.	Description	Quantity	Unit Cost	Total Cost	Unit Price	Line Amount	Qty. to Transfer to Journal	Invoiced Amount (ECY)	St W Ch
→ 00110	Budget	16/09/2020	16/09/2020		Resource			0	0.00	0.00	0.00	0.00	0	0.00	

- Example Sales job: in the planning line there will be a line for the materials to send for the job plus any lines of accessory items sold to the customer.

Job Planning Lines | Search | + New | Edit List | Delete | Process | Report | Actions | Related | Reports | Fewer options

Job Task No. ↑	Line Type	Planning Date	Planned Delivery Date	Document No.	Type	No.	Description	Quantity	Unit Cost	Total Cost	Unit Price	Line Amount	Qty. to Transfer to Journal	Invoiced Amount (ECY)	St W Ch
→ 00110	Budget	16/09/2020	16/09/2020		Item	ENG-0100	Macchina Completa	1	10,000.00	10,000.00	0.00	0.00	0	0.00	

3.4 Creation of the Job forecast

When the planning line of item type is inserted, the forecast is created for the date \ job location \ planning date \ quantity entered in the planning line: **Related → Eng2Order Suite → Planning → Job Task Forecast**. In fact, in the presence of a Sales Order line connected to the planning line, it will have priority over the forecast previously created (it will be canceled).

Job Planning Lines | Search | + New | Edit List | Delete | Process | Report | Actions | Related | Reports | Fewer options

Eng2Ord Suite ▾

Documents ▾

Planning ▾

Job BOM Monitor ▾

Job Task Forecast

General Planning Worksheet

Job Forecast | Work Date: 16/09/2020 | Saved | Print | Refresh

Search | + New | Edit List | Delete | Get Production BOM Lines | More options

Forecast Type	Item No.	Forecast Date	Forecast Quantity	Unit of Measure Code	Location Code	Description
→ Articolo di v...	ENG-0100	16/09/2020	1	PZ	J00050.0	Macchina Completa

3.5 Related master data (items, BOMs, routings, SKU)

items - there must be present all the items to be included in the planning lines. The item "Macchina Completa" will be linked to the Production BOM and routings created by Technical office.

Item Card | Work Date: 16/09/2020 | Saved | Print | Refresh

ENG-0100 · Macchina Completa

Process | Item | Special Sales Prices & Discounts | Request Approval | Actions | Related | Fewer options

Unit Price: 0.00 | Sales Unit of Measure: PZ

Profit %: 0.00 | Sales Blocked: ☐

Special Sales Prices & Discounts: Create New...

Replenishment

Replenishment System: Prod. Order

Lead Time Calculation:

Purchase

Vendor No.:

Vendor Item No.:

Purch. Unit of Measure: PZ

Purchasing Blocked: ☐

Production

Manufacturing Policy: Make-to-Stock

Routing No.: ENG-0100

Production BOM No.: ENG-0100_1

Rounding Precision: 1

Flushing Method: Manual

Scrap %: 0

Lot Size: 0

Assembly

Assembly Policy: Assemble-to-Stock

Assembly BOM: No

3.6 Job replenishment system

Job replenishment system (Direct, Consumption, Transfer) is a fundamental indicator for the procurement of the item for the job.

- **Direct** = the requirement will be on the job location and the suggestion of Production or Purchase Orders will be issued directly on the job location
- **Consumption** = the requirement will be on the Base location (BLU), the purchase suggestion and consumption accordingly
- **Transfer** = The requirement will be on the job location, the suggestion is a Transfer order from base location (BLU) to the job location.

The screenshot shows the 'Eng2Ord Suite' window. It contains two dropdown menus. The first, 'Job Replenishment System', is set to 'Direct'. The second, 'Loc. BLU Inventory', is set to 'Direct'. Below the second dropdown, the options 'Direct', 'Consumption', and 'Transfer' are visible.

In relation to the replenishment system (purchase / production) and management of material movements for job, at the level of item card it is possible to define:

Direct procurement by Job (Direct) – this type of item will be consumed / shipped directly from a specific location for each job / task, so it does not require to stock it for adjusting the requirement. Even if there is stock availability, the procurement system (MRP) would not automatically take it into account.

In general, for this type of items there is no automatic consolidation of the requirement for different jobs / Sales Orders, therefore each purchase or production proposal is divided specifically by applicant job / Sales Orders.

Movement: the receipts will be made directly on the job order location, the consumption of the Production Order components will always be carried out on the job location, the supply to subcontractors of the material (apart the particular case of purchase with direct shipment to subcontractor, to be managed manually in the PO) will be made from the location of the Job.

Consumption from the base location (Consumption) – the article foresees a direct consumption from the base warehouse, consequently the requirements are calculated cumulatively and the purchase request will not be specific to the job;

Movement: the receipts will concern the base location (stock), the consumption of the Production Order components will always be carried out directly from the base location, the supply to the subcontractors of the material will start with transfers from the base location.

Transfer – it is a compromise between the 2 methods indicated above, since on these types of article, it is considered that the direct vendor of the order is the basic warehouse, which receives a request for a transferring for the job. In turn, the main warehouse will proceed with the eventual supply by accumulating the requests and considering the available stock. Once the material has been received in the basic warehouse, the transfers will be carried out, to provide the quantity of item necessary for the single jobs.

Movement: for the receipts that will concern the base location (stock), the transfer is required to fulfill the transfer orders (between base location and job location), the consumption of the Production Order components will be carried out from the job location, the supply to subcontractors of the material will be performed as a transfers from the job location.

3.7 Job BOM Structure

From the planning line it is possible to access the relevant Job BOM Structure.

The initial BOM explosion level is entered in the Eng2Order Suite setup, it is also possible to perform the explosion up to the last level with the appropriate function if necessary.

The Job BOM Structure allows to query the structure of the BOM:

Job BOM Structure | Work Date: 16/09/2020

General

Job: J00050

Job Description:

Job Task: 00110

Job Task Description: Manufacturing

Item: ENG-0100

Item Description: Macchina Completa

Location Code: J00050.0

Prod. BOM Job No.: J00050

Job Forecast Exists: ☐

Expland complete BOM: ☐

Process Reports Actions Related Fewer options

SKU Ex.	Prod. Ord. Ex.	Prod. Ord. Ex.	Level	Type	No.	Prod. BOM No.	Starting Date	Ending Date	Source Production BOM No.	Job BOM No.	Release	Release date	Freeze date	BOM Status	Description	Routing No.	Alternative Job Routing No.	Job Replenish. System	Consumpt. Location Code	Base Replen. System
→			0	Item	ENG-0100	ENG-0100,1					0			Certified	Macchina ...	ENG-0100		Prod. Order	J00050.0	Prod.
			1	Item	ENG-0010	ENG-0010,1					0			Certified	Telaio Stan...	ENG-0010		Prod. Order	J00050.0	Prod.
			2	Item	ENG-0001						0				Tubo			Purchase	J00050.0	Purch
			2	Item	ENG-0002						0				Profil			Purchase	J00050.0	Purch
			1	Item	ENG-0020	ENG-0020,1					0			Certified	Struttura e...	ENG-0020		Prod. Order	J00050.0	Prod.
			2	Item	ENG-0003						0				Vernice			Purchase	J00050.0	Purch
			2	Item	ENG-0004						0				Lamiere			Purchase	J00050.0	Purch
			2	Item	ENG-0005						0				Vetro			Transfer	J00050.0	Purch
			1	Item	ENG-0006						0				Motore			Purchase	J00050.0	Purch
			1	Prod. BOM	ENG-0030	ENG-0030					0			Certified	INTERNA					
			2	Item	ENG-0007						0				Sedia Conf...			Purchase	J00050.0	Purch
			2	Item	ENG-0008						0				Volante			Purchase	J00050.0	Purch

3.8 Job SKU

The SKU of item collects all the behavior specifications of that item for that job task (Replenishment System), in addition to the BOM / BOM version and routing for that job task.

The SKU is created using the appropriate Job SKU Creation function for all the master data whose Replenishment System is set to Direct.

The Job SKU Creation function must be launched at the time of creation and whenever changes are made to the BOMs.

The Stockkeeping unit - must be created using the relative function: **Job BOM Structure → Functions → Create Job SKU**

Job BOM Structure | Work Date: 16/09/2020

General

Job: J00050

Job Description:

Job Task: 00110

Job Task Description: Manufacturing

Item: ENG-0100

Item Description: Macchina Completa

Location Code: J00050.0

Prod. BOM Job No.: J00050

Job Forecast Exists: ☐

Expland complete BOM: ☐

Process Reports Actions Related Fewer options

SKU Ex.	Prod. Ord. Ex.	Prod. Ord. Ex.	Level	Type	No.	Prod. BOM No.	Starting Date	Ending Date	Source Production BOM No.	Job BOM No.	Release	Release date	Freeze date	BOM Status	Description	Routing No.	Alternative Job Routing No.	Job Replenish. System	Consumpt. Location Code	Base Replen. System
→			0	Item	ENG-0100	ENG-0100,1					0			Certified	Macchina ...	ENG-0100		Prod. Order	J00050.0	Prod.
			1	Item	ENG-0010	ENG-0010,1					0			Certified	Telaio Stan...	ENG-0010		Prod. Order	J00050.0	Prod.
			2	Item	ENG-0001						0				Tubo			Purchase	J00050.0	Purch
			2	Item	ENG-0002						0				Profil			Purchase	J00050.0	Purch
			1	Item	ENG-0020	ENG-0020,1					0			Certified	Struttura e...	ENG-0020		Prod. Order	J00050.0	Prod.
			2	Item	ENG-0003						0				Vernice			Purchase	J00050.0	Purch
			2	Item	ENG-0004						0				Lamiere			Purchase	J00050.0	Purch
			2	Item	ENG-0005						0				Vetro			Transfer	J00050.0	Purch
			1	Item	ENG-0006						0				Motore			Purchase	J00050.0	Purch
			1	Prod. BOM	ENG-0030	ENG-0030					0			Certified	INTERNA					
			2	Item	ENG-0007						0				Sedia Conf...			Purchase	J00050.0	Purch
			2	Item	ENG-0008						0				Volante			Purchase	J00050.0	Purch

In the explosion of the BOM, for each item line, there is a series of information relating to Stockkeeping (SKU BOM, SKU Routing), and some quantity indicators for the item on the location of the job task and on base location. Job BOM Structure → Process → Open Job SKU

Edit - Stockkeeping Unit Card - J00050.0 - ENG-0010

New Manage Item Navigate More options

Reorder Quantity 0

Safety Lead Time Maximum Inventory 0

Safety Stock Quantity 0

Lot-for-Lot Parameters

Include Inventory ☒

Lot Accumulation Peri... Minimum Order Quan... 0

Rescheduling Period Order Multiple 0

Warehouse

Eng2Ord Suite

SKU Routing No. Qty. On Purch. Return ... 0.00

SKU Production BOM ... Qty. On Sales Return ... 0.00

Job No. J00050 Copy From Job

Freeze date Copy From Job Task

Reserved Qty. on Inve... 0.00

Close

It's always possible to change the SKU parameters for the job: SKU Routing, SKU BOM:

Edit - Stockkeeping Unit Card - J00050.0 - ENG-0010

New Manage Item Navigate More options

Reorder Quantity 0

Safety Lead Time Maximum Inventory 0

Safety Stock Quantity 0

Lot-for-Lot Parameters

Include Inventory ☒

Lot Accumulation Peri... Minimum Order Quan... 0

Rescheduling Period Order Multiple 0

Warehouse

Eng2Ord Suite

SKU Routing No. ENG-0200 Qty. On Purch. Return ... 0.00

SKU Production BOM ENG-0200_1 Qty. On Sales Return ... 0.00

Job No. J00050 Copy From Job

Freeze date Copy From Job Task

Reserved Qty. on Inve... 0.00

Close

Calculates product BOMs differences

By launching the DB Differences Calculation function it is possible to activate the calculation of the differences between the BOM present in the job (in SKU) and that linked to the item, as well as the difference between the job BOM (in SKU) with the components present in any production order in the job.

Click **Actions → Functions → Calculates product BOMs differences → Do you want to activate BOM structure calculations? → Yes**

The field **Diff. Vs Prod. BOM** will be filled in with the flag for the item where the BOM and SKU routing was changed

Job BOM Structure | Work Date: 16/09/2020

General

Job J00050 Item Description Macchina Completa

Job Description Location Code J00050.0

Job Task 00110 Prod. BOM Job No. J00050

Job Task Description Manufacturing Job Forecast Exists

Item ENG-0100 Expand complete BOM

Process Reports Actions Related Fewer options

SKU	Prod. BOM	Prod. BOM	Level	Type	No.	Prod. BOM	Starting	Ending	Source	Job	Freeze	BOM	Description	Routing	Alternative	Job	Consumpt.	Base	Transfer	Unit
R	Ex.	Act.	Ex.			No.	Date	Date	Production	Prod.	date	Status		No.	Job	Replish.	Location	Replish.	from	Mea
									BOM No.	BOM						System	Code	System	Local	Code
0	Item	ENG-0100	ENG-0100_1									Certified	Macchina	ENG-0100		Prod. Order	J00050.0	Prod. Order		
1	Item	ENG-0010	ENG-0200_1									Certified	Telaio Stan...	ENG-0200		Prod. Order	J00050.0	Prod. Order		P2
2	Item	ENG-0201											Tubo Carbo...			Purchase	J00050.0	Purchase		P2
2	Item	ENG-0202											Profil Carb...			Purchase	J00050.0	Purchase		P2
1	Item	ENG-0020	ENG-0020_1									Certified	Struttura s...	ENG-0020		Prod. Order	J00050.0	Prod. Order		P2
2	Item	ENG-0003											Vernice			Purchase	J00050.0	Purchase		P2
2	Item	ENG-0004											Lamiere			Purchase	BLU	Purchase		P2
2	Item	ENG-0005											Vetro			Transfer	J00050.0	Purchase	BLU	P2
1	Item	ENG-0006											Motore			Purchase	J00050.0	Purchase		P2
1	Prod. BOM	ENG-0030	ENG-0030									Certified	INTERMI							P2
2	Item	ENG-0007											Sedia Comf...			Purchase	J00050.0	Purchase		P2
2	Item	ENG-0008											Volante			Purchase	J00050.0	Purchase		P2

Differences in BOM components can be analyzed: **Related → Job → Analysis of components differences:**

Job Struct. Differ. Analysis | Work Date: 16/09/2020

Search ☒ Apri distinta base ☒ Open BOM used in Job More options

Vs. Difference Type	Difference Type	Prod. Order Status	Prod. Order No.	Component Item No.	Item Description	Difference Note
BOM Structure	Modify Component No.			ENG-0201	Tubo Carbonio	
BOM Structure	Modify Component No.			ENG-0202	Profilo Carbonio	

3.9 Job Planning prospect

From the Job BOM Structure it's possible to launch the Job Planning prospect.

Job BOM Structure | Work Date: 16/09/2020

General

Job: J00050 Item Description: Macchina Completa

Job Description: Location Code: J00050.0

Job Task: 00110 Prod. BOM Job No.: J00050

Job Task Description: Manufacturing Job Forecast Exists: ☐

Item: ENG-0100 Expand complete BOM: ☐

Process Reports **Actions** Related Fewer options

Line Functions

- Update BOM treeview
- Create Job SKU
- Freeze Job SKU
- Copy Job SKU
- Job planning prospect**
- Job planning prospect
- Calculates product BOM differences
- Archive job BOM

No.	Prod. BOM No.	Starting Date	Ending Date	Production BOM No.	Prod. BOM	Release	Release date	Freeze date	BOM Status	Description	Routing No.	Alternative Job Routing No.	Replish. System	Location Code	Base Repl. System
ENG-0100	ENG-0100_1				<input type="checkbox"/>	0			Certified	Macchina ...	ENG-0100		Prod. Order	J00050.0	Prod.
ENG-0010	ENG-0200_1				<input type="checkbox"/>	0			Certified	Telaio Stan...	ENG-0200		Prod. Order	J00050.0	Prod.
ENG-0201					<input type="checkbox"/>	0				Tubo Carbo...			Purchase	J00050.0	Punch
ENG-0202					<input type="checkbox"/>	0				Profilo Carb...			Purchase	J00050.0	Punch
ENG-0020	ENG-0020_1				<input type="checkbox"/>	0			Certified	Struttura e...	ENG-0020		Prod. Order	J00050.0	Prod.
ENG-0004					<input type="checkbox"/>	0				Vernice			Purchase	J00050.0	Punch
ENG-0005					<input type="checkbox"/>	0				Lamiere			Purchase	BLU	Punch
ENG-0006					<input type="checkbox"/>	0				Vetro			Transfer	J00050.0	Punch
ENG-0030	ENG-0030				<input type="checkbox"/>	0				Motore			Purchase	J00050.0	Punch
ENG-0007					<input type="checkbox"/>	0			Certified	INTERNI					
ENG-0008					<input type="checkbox"/>	0				Sedia Comf...			Purchase	J00050.0	Punch
					<input type="checkbox"/>	0				Volante			Purchase	J00050.0	Punch

The planning logic is the same as in the general planning prospect, however it is launched only on the location of the job task and only for the items present in the job.

Edit - Job Planning Worksheet - J00050.0 - template

Manage ☒ Calculate Regenerative Plan... ☒ Refresh Planning Line... ☒ Carry Out Action Message... ☒ Order Tracking ☒ Dimensions More options

Name: J00050.0

Job No.: J00050

Task: 00110

Task Description:

Warning	No.	Action Message	Accept Action Mess...	Original Due Date	Due Date	Starting Date-Time	Ending Date-Time	Description	Original Quantity	MPS Order	Quantity	Ref. Order Type	Ref. Order No.	Ref. Order Status
			<input type="checkbox"/>							<input type="checkbox"/>	0			

Then the regenerative plan calculation is launched with the following parameters (they must be entered once by user, then they are re-proposed at subsequent launches and at each launch the suggestions already calculated will be eliminated to be calculated again)

Calculate Plan Job Plan. Wksh.

Use default values from **Last used options and filters**

Options

Item filters Location Filter: J00050.0

Calculate

MPS ☒

MRP ☒

Starting Date 01/01/2020

Ending Date 31/01/2021

Stop and Show First Error ☐

Use Forecast JOB

Exclude Forecast Before

Respect Planning Parameters for... ☒

Only Job Item ☒

Filter: Item

× No.

OK **Cancel**

3.10 Query and process of planning results

At the end of the calculation, a series of suggested actions will be proposed in the grid:

- Creation of new Transfer Order - for all items in the exploded Job BOM that have Transfer as a type of replenishment system (see paragraph 3.6). The proposal suggests transferring the quantities of items required by the job, from the BLU location (main warehouse of the company) to the job location, regardless of the actual stock of this item in the BLU location.
- Creation of new Purchase Order - for all items in the exploded Job BOM that have a Direct as a type of replenishment system (see paragraph 3.5), the proposal suggests to buy directly for the job location, ignoring any type of stock-availability in the BLU location.
- Creation of new Production Order - for all items in the exploded Job BOM that have a Direct as a type of replenishment system, simplifying the initial state; it concerns all items of Production type.
- Cancellation / rescheduling suggestions - suggestions for cancelling transfer or production orders already issued but no longer needed based on the new BOM explosion. Suggestions for variation of delivery dates of purchase or production orders already issued based on the new delivery dates of the item or of new lead times on items / BOMs.

Edit - Job Planning Worksheet - J00050.0 - template

Manage ☒ Calculate Regenerative Plan... ☒ Refresh Planning Line... ☒ Carry Out Action Message... ☒ Order Tracking ☒ Dimensions ☒ More options

Name J00050.0

Job No. J00050

Task 00110

Task Description

Warning	No.	Action Message	Accept Action Message	Original Due Date	Due Date	Starting Date-Time	Ending Date-Time	Description	Original Quantity	MPS Order	Quantity	Ref. Order Type	Ref. Order No.	Ref. Order Status
	ENG-0100	New	<input checked="" type="checkbox"/>		16/09/2020	15/09/2020 15:56	15/09/2020 16:00	Macchina Completa		<input checked="" type="checkbox"/>	1	Prod. Order	200PR00242	Planned
	ENG-0006	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:56	Motore		<input type="checkbox"/>	1	Purchase		
	ENG-0007	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:56	Sedia Comfort		<input type="checkbox"/>	4	Purchase		
	ENG-0008	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:56	Volante		<input type="checkbox"/>	1	Purchase		
	ENG-0010	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 15:52	15/09/2020 15:56	Telaio Standard		<input type="checkbox"/>	1	Prod. Order	200PR00243	Planned
	ENG-0020	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 15:52	15/09/2020 15:56	Struttura esterna standard		<input type="checkbox"/>	1	Prod. Order	200PR00244	Planned
	ENG-0003	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:52	Vernice		<input type="checkbox"/>	1	Purchase		
	ENG-0005	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:52	Vetro		<input type="checkbox"/>	6	Transfer		
	ENG-0201	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:52	Tubo Carbonio		<input type="checkbox"/>	4	Purchase		
→	ENG-0202	New	<input checked="" type="checkbox"/>		15/09/2020	15/09/2020 00:00	15/09/2020 15:52	Profil Carbonio		<input type="checkbox"/>	6	Purchase		

APD:Description
Item Description Profili Carbonio Routing Description

Close

From the Job Planning Worksheet, you can deselect those, which you do not want to process, for the others you intend to process, the **Accept messages** flag must be left. With the **Carry Out Action Messages** button you create the effective transfer, production and purchase orders. The parameters for execution are as follows:

Carry Out Action Msg. - Plan.

Use default values from **Last used options and filters** ▾

Options

Production Order
Production Order Firm Planned ▾

Assembly Order
Assembly Order ▾

Purchase Order
Purchase Order Copy to Req. Wksh ▾

Req. Wksh. Template RICHIESTA ...

Req. Wksh. Name DEFAULT ...

Transfer Order
Transfer Order Make Trans. Orders ▾

Combine Transfer Orders ☐

Stop and Show First Error ☐

Advanced >

OK **Cancel**

Purchase Orders and optimizations:

Each type of proposal of Purchase Order Type, will be queued in the Requisition Worksheet if in Eng2Order Suite setup has the flag **Keep rows in other reports on regenerative MRP = YES**.

Eng2Order Suite Setup

General

Enable Eng2Order Suite ☒

Enable production job ☒

Automatic Allign Prod... ☒

Auto Allign Trasf. Order ☒

Location Template Co... CA ▾

Location Template Inv... CA ▾

Keep order on posting ☐

Production

Default level job BOM... 0

Transfer location for job PROP. LOG. ▾

Keep rows in other re... ☒

Combine purchase or... ☒

Flag Keep rows in other reports on regenerative MRP function

With Flag Keep rows in other reports on regenerative MRP = **YES**



- If the MRP is relaunched on the same location, only the records of the Requisition Worksheet for that location will be deleted
- If the MRP will be launched on another job location, it will keep the records in the Requisition Worksheet from different locations. The new procurement proposals will queue to the records for the other locations.

With flag Keep rows in other reports on regenerative MRP = **NO**

- If the MRP will be relaunched on the same location, all lines will be deleted, even those of the different location

Inside the Requisition Worksheets, selecting prospect, there are 2 functions to optimize purchases, in addition to another function about to query the item availability of the selected line.

- **Assign available stock**
- **Align Purchase Parameters**

Requisition Worksheets | Work Date: 16/09/2020 ✓ Saved  

Name: DEFAULT

Manage Process Report Drop Shipment Special Order Line Item Availability by **Actions** Related Reports Fewer options

Functions **Order Tracking** Eng2Ord Suite

Type	No.	Action Message	Assign available stock	Location Code	Code	Original Quantity	Quantity	Unit of Measure Code	Direct Unit Cost	Original Due Date	Due Date	Vendor No.	Vendor Item No.	Replenish System
Item	4200-4E	New	<input type="checkbox"/>	C0100.0	BLU		7	PZ	0.00		05/10/2020			Transfer
Item	ENG-0006	New	<input type="checkbox"/>	J00050.0			1	PZ	100.00		15/09/2020	01254796		Purchase
Item	ENG-0007	New	<input type="checkbox"/>	J00050.0			4	PZ	0.00		15/09/2020	01587796		Purchase
Item	ENG-0201	New	<input checked="" type="checkbox"/>	J00050.0			4	PZ	300.00		15/09/2020	01587796		Purchase
Item	ENG-0202	New	<input checked="" type="checkbox"/>	J00050.0			6	PZ	400.00		15/09/2020	01587796		Purchase
Item	ENG-0008	New	<input checked="" type="checkbox"/>	J00050.0			1	PZ	400.00		15/09/2020	01863656		Purchase
Item	ENG-0003	New	<input checked="" type="checkbox"/>	J00050.0			1	PZ	350.006		15/09/2020	01905382		Purchase

Assign available stock

With this function, purchase orders for the job can be transformed into transfer orders (partially or totally), using stocks or purchase orders already issued for the BLU location.

Here are the values taken into consideration:

DA (Stock assignment available)

Inventory

- safety stock quantity
- quantity on Sales Order
- quantity on Transfer Order Shipment
- quantity on Component lines
- quantity on Purchase Return Order
- quantity in Transfer requests

In case **DA** is not sufficient, it is calculated the **DT (Theoretical availability)**

Quantity on Purchase Orders

- + quantity on Production Orders
- + quantity on Transfer Order Receipt
- + quantity on Sales Return Orders

The system uses any availability, absolute or theoretical or partial of these, to totally or partially transform purchase proposals into transfer orders from BLU to the job location

Show available Stock to Assign

The function Show available Stock to Assign can display for each line selected, the calculation of DA and DT.

For example, let's check the available stock of the item ENG-0007:

DA= 60PZ

Requisition Line: RICHIESTA,DEFAULT,50000.

A. Inventory (60).
 B. Safety Stock Quantity (0).
 C. Qty. on Sales Order (0).
 D. Trans. Ord. Shipment (Qty.) (0).
 E. Qty. on Component Lines (0).
 F. Qty. on Purch. Return Order (0).
 G. Quantity in transfer requests (0).

H. Qty. on Purch. Order (0).
 I. Qty. on Prod. Order (0).
 J. Qty. on Sales Return Order (0).
 K. Trans. Ord. Receipt (Qty.) (0).

Stock assignment available (DA) (60).
 Theoretical availability (DT) (0)

OK

Using the function "Assign available stock" it's possible to assign the available stock:

Type	No.	Action Message	Assign available stock	Description	Location Code	Transfer from Code	Original Quantity	Quantity	Unit of Measure Code	Direct Unit Cost	Original Due Date	Due Date	Vendor No.	Vendor Item No.	Replenish System
Item	ENG-0007	New	<input checked="" type="checkbox"/>	Sedia Comfort	J00010.0	BLU		4	PZ	0.00		06/10/2020	01587796		Transfer

The functionality has completely transformed the purchase order line into a Transfer order from BLU location to the order location.

Align Purchase Parameters

This function allows to validate the requisition worksheet lines remaining after launching the Assign available inventory, and for each item to verify that the following reordering parameters in the relevant SKU of the BLU location are respected:

- Lot accumulation Period
- Minimum order quantity
- Order Multiply

The actions foreseen if the parameters are not respected are:

- Advance delivery date of a purchase proposal
- Insertion of new purchase proposal lines for compliance with the minimum and multiple order

Let's see how the "Align Purchase Parameters" works for item ENG-0006:

1. Create the SKU for article ENG-0006 SKU:

Item Card | Work Date: 16/09/2020

ENG-0006 · Motore

Process Item Special Sales Prices & Discounts Request Approval Actions Related Fewer options

Item Special Sales Prices & Discounts Workflow Functions Forecast Requisition Worksheet Item Journal Item Reclassification Journal Item Tracing

No. ENG-0006 Type Inventory

Description Motore Base Unit of Measure PZ

Blocked ☒ Item Category Code

Inventory

Shelf No.

Lifo Category

Inventory Valuation Weighted Average

Inventory 0

Qty. on Purch. Order 0

Costs & Posting

Create Item SKU

Create Massive Item SKU

Order Lines

Qty. on Sales Order 0

Unit Volume 0

Over-Receipt Code

2. SKUs will be created for the location of the main warehouse (BLU) and SKU for spare parts:

Stockkeeping Units | Work Date: 16/09/2020

Item No.	Variant Code	Location Code	Replenishment System	Description	Inventory	Availability
ENG-0006		BLU	Purchase	Motore	0	0,00
ENG-0006		J00040.0	Purchase	Motore	0	0,00
ENG-0006		J00050.0	Purchase	Motore	0	0,00
ENG-0006		SPARES	Purchase	Motore	0	0,00

3. The reorder parameters in the relevant SKU of the BLU location will be defined:

Stockkeeping Unit Card | Work Date: 16/09/2020

BLU · ENG-0006

New Item Navigate More options

Safety Stock Quantity 0

Lot-for-Lot Parameters

Include Inventory ☒

Lot Accumulation Period 1M

Rescheduling Period

Maximum Inventory 0

Order Modifiers

Minimum Order Quantity 10

Maximum Order Quantity 0

Order Multiple 10

4. Launch the "Align Purchase Parameters" function for item ENG-0006:

Requisition Worksheets | Work Date: 16/09/2020

✓ Saved

Name: DEFAULT

Manage Process Report Drop Shipment Special Order Line Item Availability by Actions Related Reports Fewer options

Type	No.	Action Message	Acc... Act... Mes...	Description	Location Code	Transfer-from Code	Original Quantity	Quantity	Unit of Measure Code	Direct Unit Cost	Original Due Date	Due Date	Vendor No.	Vendor Item
Item	4000-4E	New	<input checked="" type="checkbox"/>	direct	C0100.0	BLU		7	PZ	0.00		05/10/2020		
Item	ENG-0006	New	<input checked="" type="checkbox"/>	Motore	J00050.0			1	PZ	100.00	15/09/2020	15/09/2020	01254796	
Item	ENG-0202	New	<input checked="" type="checkbox"/>	Profil Carbonio	J00050.0			6	PZ	400.00		15/09/2020	01587796	
Item	ENG-0008	New	<input checked="" type="checkbox"/>	Volante	J00050.0			1	PZ	400.00		15/09/2020	01863656	
Item	ENG-0003	New	<input checked="" type="checkbox"/>	Vernice	J00050.0			1	PZ	350.006		15/09/2020	01905382	
Item	ENG-0007	New	<input checked="" type="checkbox"/>	Sedia Comfort	J00050.0	BLU		4	PZ	0.00		15/09/2020	01587796	
Item	ENG-0201	New	<input checked="" type="checkbox"/>	Tubo Carbonio	J00050.0	BLU		4	PZ	300.00		15/09/2020	01587796	
→ Item	ENG-0006	New	<input checked="" type="checkbox"/>	Motore	BLU			9	PZ	100.00	15/09/2020	15/09/2020	01254796	

Outcome: Insertion of a new purchase line (9 PCS) for compliance with the minimum (10 PCS) and multiple (10 PCS) order for the item ENG-0006.

Setup combine purchase orders

According to the Setup Eng2Order Suite (Combine purchase orders/subcontracting orders on reference location, it is possible to generate combined purchase orders by reference location (the reference location is a field added in the locations tab, with which it is possible to define, for example for the job locations, which refer to the Base location (BLU), to allow combine the orders).

Eng2Order Suite Setup

✓ Saved

General

Enable Eng2Order Suite ☒

Location Template Co... CA

Enable production job ☒

Location Template Inv... CA

Automatic Allign Prod... ☒

Keep order on posting ☐

Auto Allign Trasf. Order ☒

Production

Default level job BOM... 0

Keep rows in other re... ☒

Transfer location for job PROP. LOG.

Combine purchase or... ☒

Always Update Job SKU ☒

Department Location

Main location = BLU

Location Card | Work Date: 16/09/2020

✓ Saved

J00050.0 · template

Process Location More options

General

Code J00050.0 Use As In-Transit ☐

Name template

Address & Contact

Warehouse

No No No

Bins

Bin Policies

Never Check Capacity No

Eng2Ord Suite

Name 2

Job Location ☒

Main Location BLU Job No. J00050


Job Use Enabled ☒ Job Task No. 00110

Example:

Two procurement requests were created for the location of the J00050.0 job with the reference warehouse BLU:

→ Item	ENG-0006	New	<input checked="" type="checkbox"/>	Motore	J00050.0			9	PZ	100.00	15/09/2020	15/09/2020	01254796	Purchase
Item	ENG-0001	New	<input checked="" type="checkbox"/>	Tubo	J00050.0			3	PZ	0.00	17/09/2020	01254796		Purchase

Release the purchase orders Process→Carry Out Action Messages
A purchase order has been created with two lines:

← Purchase Order | Work Date: 16/09/2020 ✓ Saved 

106052 · Progressive Home Furnishings

Process Release Posting Order Request Approval Print/Send Navigate More options

Document Date: 16/09/2020 Status: **Open**

Operation Occurred Date: 16/09/2020

Type	No.	Service Tariff No.	No. of Fixed Asset Cards	Incl. in VAT Tran. Rep.	Prepmt. CM Refers to Period	Description	Location Code	Bin Code	Quantity	Reserved Quantity	Unit of Measure Code	Direct Unit Cost Excl. VAT	Line Amount Excl. VAT	Qty. to Rece
Item	ENG-0006			<input type="checkbox"/>		Motore	J00050.0		9		PZ	100.00	900.00	
→ Item	ENG-0001			<input type="checkbox"/>		Tubo	BLU		3		PZ	*		


3.11 Production Order

The production order management functions (maintenance, status changes, output recording and consumption recording) remain unaffected by the Eng2Ord App.

3.12 Issue of a sales order

The compilation of a sales order relating to an order remains unchanged from the point of view of entering of the data in the document header.

The lines of the document, on the other hand, must be entered by choosing the planning lines of the order through the specific function **Get Job Planning Lines**:

← Sales Order | Work Date: 16/09/2020 ✓ Saved 

1004 · Cannon Group SpA

Process Release Posting Prepare Order Request Approval Print/Send Navigate More options

Phone No. Mobile Phone No. Email Contact: Sig. Franco Verdi No. of Archived Versions: 0 Document Date: 16/09/2020 Operation Occurred Date: 16/09/2020



Operation Type: IT-FN-VEN Activity Code: STD Status: **Open** Work Description:

No.	Service Tariff No.	Tran. Rep.	Refers to Period	Description	Location Code	Quantity	Qty. to Assemble to Order	Reserved Quantity	Unit of Measure Code	Unit Price Excl. VAT	Line Discount %	Line Amount Excl. VAT	Q
*		<input type="checkbox"/>		*									
Total Excl. VAT (EUR)												0.00	
Total VAT (EUR)												0.00	
Total Incl. VAT (EUR)												0.00	

Functions: Get Price... Get Line Discount... Explode BOM Insert Ext. Texts Reserve... Order Tracking Select Catalog Items Eng2Ord Suite > Get Job Planning Lines

Only the job planning lines of the client filled in the Contact of the Sales Order header will be pre-filtered, although it is possible (by removing the filter) to choose jobs of different customers (See Setup Eng2Ord **Remove Block on Job Customer**)

Pay attention to this type of sales orders, the proposed location must be the location of the job - task.

Job Planning Line Selection ✓  

Job No. T	Planning Date	Document No.	Bill-to Customer No.	Type	No.	Description	Quantity	Unit Cost (LCY)	Unit Price (LCY)	Unit of Measure Code	Document Date	Job Task No. T	Line Amount (LCY)	Unit Cost	Unit Price
→ 100050	16/09/2020	10000	Item	ENG-0100	Macchina Completa	1	10,000.00	0.00	PZ	16/09/2020	00110	0.00	10,000.00	0.00	

The lines inserted will be taken into consideration by the planning only if they have been made plannable through the appropriate Flag **Able to plan**

Type	Planned Shipment Date	Shipment Date	Department Code	Project Code	Customer Code	Area Code	Businessgroup Code	Salescampaign Code	Loc. BLU Inventory	Loc. SPARES Inventory	Loc. SPARES Res. Qty.	Linked job No.	Linked Job Task No.	Able To Be Plan...
→ Item	16/09/2020	16/09/2020	VENDITE		MEDIO	30			0.00	0.00	0.00	J00050	00110	<input checked="" type="checkbox"/>

It is possible to add items (for example transport) linked to a job even if they are not foreseen in the planning lines, by manually inserting in the lines in "Linked job No. "and the" Linked Job Task No."

Type	Planned Shipment Date	Shipment Date	Department Code	Project Code	Customergro... Code	Area Code	Businessgroup Code	Salescampaign Code	Loc. BLU Inventory	Loc. SPARES Inventory	Loc. SPARES Res. Qty.	Linked job No.	Linked Job Task No.
Item	16/09/2020	16/09/2020	VENDITE		MEDIO	30			0,00	0,00	0,00	J00050	00110
→ Item	16/09/2020	16/09/2020	VENDITE		MEDIO	30			4,00	0,00	0,00	J00050	00110

Using the arrow, you can choose all the open jobs for the customer of the sales order.

Inventory	Loc. SPARES Inventory	Loc. SPARES Res. Qty.	Linked job No.
0,00	0,00	0,00	J00050
			...

Sales Order | Work Date: 16/09/2020
1004 · Cannon Group SpA
Process Release Posting Prepare Order Request
Phone No. Mobile Phone No. Email Contact No. of Archived Versions Document Date Operation Occurred Date
Sig. Fran. 16/09/2020 16/09/2020
Lines Manage Line Order Fewer options
Type Qty. Assigned Planned Delivery Date
→ Item 1 17/09/2020
Subtotal Excl. VAT (EUR)

Jobs
No. 1 Description Bill-to Customer No. Status Search Description
→ J00050 Job 1 10000 Open JOB 1
J00050 10000 Open
JOB00050 Decorazione sala conference 10000 Open DECORAZIONE ...
Aps/Job Type Code C1
Ultra Annual Job
OK Cancel

Loc. SPARES Inventory Loc. SPARES Res. Qty. Linked job No. Linked Job Task No.
0,00 0,00 J00050 00110

In the case of an item to be sent under warranty, then it will be necessary to choose a task for which the **Warranty Flag = Yes** is provided, and all the price fields must be equal to 0

Group SpA
Prepare Order Request
Sig. Fran. 16/09/2020 16/09/2020
Order Fewer options
Planned Delivery Date Planned Shipment Date Shipment Date
7/09/2020 16/09/2020 16/09/2020

Job Task Selection
Job No. 1 JobNoDescription Job Task No. 1 Description
→ J00050 00110 Manufacturing
J00050 00120 Consulting
J00050 00130 Warranty
OK Cancel

Loc. SPARES Res. Qty. Linked job No. Linked Job Task No.
0,00 J00050 00110

3.13 Issue of a spare parts sales order

The process of creating of a sales order for spare parts is the same as that used for creating a sales order Pay attention to this type of orders, the proposed location must be SPARE and the related job order and task will be indicated.
In the Item Card there is the function of creating SKUs, to be launched on all the articles created.

Item Card | Work Date: 16/09/2020

ENG-0007 · Sedia Comfort

Process Item Special Sales Prices & Discounts Request Approval Actions Related Fewer options

Item Special Sales Prices & Discounts Workflow Functions Forecast Requisition Worksheet Item Journal Item Reclassification Journal Item Tracing

No. ENG-0007 Type Inventory

Description Sedia Comfort Base Unit of Measure PZ

Blocked ☐ Item Category Code

Inventory

Shelf No. Create Item SKU Qty. on Prod. Order 0

Life Category Create Massive Item SKU Qty. on Component Lines 8

Inventory Valuation Weighted Average Qty. on Sales Order 0

Inventory 60 Unit Volume 0

Qty. on Purch. Order 3 Over-Receipt Code

Functions

- Create Stockkeeping Unit
- Calculate Counting Period
- Templates
- Copy Item
- Apply Template...
- Save as Template...
- Eng2Ord Suite

This function will create the SKU for the main location (BLU) and for the SPARES location.

Item No.	Variant Code	Location Code	Replenishm... System	Description	Inventory	Availability
ENG-0007	:	BLU	Purchase	Sedia Comfort	59	0,00
ENG-0007		J00050.0	Purchase	Sedia Comfort	0	0,00
ENG-0007		SPARES	Purchase	Sedia Comfort	1	0,00

The SPARES location will be created with the Replenishment system = Order, in order to maintain the link between the Sales Order and the supply of the material (purchase order or production order) despite not having a job order location for this Task. These procedures are part of BC standard functioning. The lines inserted will be taken into consideration by the planning only if they have been made plannable through the appropriate Flag **"Able to plan"**.

3.14 Management of Invoicing Sales Prepayments

The sales prepayments are entered in the body of the sales order using a service-type item code (with offset account type balance sheet):

- You will have a line or more lines with a positive amount specifying the relative delivery date (invoicing), and the same lines with a negative amount with the delivery dates of the sales invoice, in addition to the actual items sold;
- This will allow you to always have the situation of the invoicing of prepayments, also scheduled in time, and a timely control of the account balance.
- The authorization process for billing the prepayments is similar to a real shipment
- This shipment will be transformed into an invoice for the prepayment amount.

To manage the prepayments, it is necessary to set up the advance accounts in the relative table:





Advance Account | Work Date: 16/09/2020

Search + New Edit List Delete

Account No. ↑	Advance description
→ 2340	Anticipo su vendita

Subsequently, the sales order will be created with the insertion of an item line and two of C/G Account lines (one positive and the other of the same negative amount for how many advances):

As an alternative to the ledger account, a service item that points to the advance account can be used.


← Sales Order | Work Date: 16/09/2020    ✓ Saved 

1004 · Cannon Group SpA

Process Release Posting Prepare Order Request Approval Print/Send Navigate Actions Related Fewer options





General Show more

Customer No.	10000	Order Date	16/09/2020
Customer Name	Cannon Group SpA	Requested Delivery Date	
Contact	Sig. Franco Verdi	Operation Type	IT-FN-VEN
Operation Occurred Date	16/09/2020	Activity Code	STD
Posting Date	16/09/2020	Status	Open

Lines | Manage | Line | Order | Fewer options 

Type	No.	Incl. in VAT	Service Tariff No.	Prepmt. CM Refers to Period	Description	Location Code	Quantity	Qty. to Assemble to Order	Reserved Quantity	Unit of Measure Code	Unit Price Excl. VAT	Line Discount %	Line Amount Excl. VAT	Q
Item	ENG-0100	<input type="checkbox"/>			Macchina Completa	J00050.0	1			PZ	15.000,00		15.000,00	
G/L Account	2340	<input type="checkbox"/>			C\Anticipo cliente	J00050.0	1				1.000,00		1.000,00	
→ G/L Account	2340	<input type="checkbox"/>			C\Anticipo cliente	J00050.0	-1				1.000,00		-1.000,00	

After the release of the order, only the positive advance line will be shipped and invoiced.


← Sales Order | Work Date: 16/09/2020    ✓ Saved 

1004 · Cannon Group SpA

Process Release Posting Prepare Order Request Approval Print/Send Navigate Actions Related Fewer options

General Show more

Customer No.	10000	Order Date	16/09/2020
Customer Name	Cannon Group SpA	Requested Delivery Date	
Contact	Sig. Franco Verdi	Operation Type	IT-FN-VEN
Operation Occurred Date	16/09/2020	Activity Code	STD
Posting Date	16/09/2020	Status	Released

Lines | Manage | Line | Order | Fewer options 





Type	No.	Incl. in VAT	Service Tariff No.	Prepmt. CM Refers to Period	Description	Location Code	Quantity	Qty. to Assemble to Order	Reserved Quantity	Unit of Measure Code	Unit Price Excl. VAT	Line Discount %	Line Amount Excl. VAT	Qty. to Ship	Quantity Shipped	Qt
G/L Account		<input type="checkbox"/>			C\Anticipo cliente	J00050.0	-1			PZ	1.000,00		-1.000,00			
→ Item		<input type="checkbox"/>			Macchina Completa	J00050.0	1				15.000,00		15.000,00			
G/L Account		<input type="checkbox"/>			C\Anticipo cliente	J00050.0	1				1.000,00		1.000,00	1		

3.15 Job Value Monitor

Regarding to the values handled on the job, the Job Valuation Monitor is used, which can be opened from the job list page, within the job form.

3.15.1 Calculate monitor

The Calculate Monitor function allows you to launch the costs “on the date” and stores the movements declared on the job totaling by month. The calculation takes place by job task, but subsequent queries can be made both by job and by job/ task. There is also the possibility of eliminating previously stored costs, and of recalculating costs on Closed Tasks.

← Job Card | Work Date: 16/09/2020    ✓ Saved 

J00050

Process Report Prices WIP Navigate Job Print/Send Actions Related Reports Fewer options

Job Planning Lines

Job Task No. Job Task Name Job Task Description Job Task Type Start Date End Date Default Planning Line Type Default Sales With Order Location Code Budget (Total Cost) Actual (Total Cost) Billable (Total Price) Billable (Invoiced Price) Sales Ord. Outstanding Amt.

00100 1 ☐ M Job Value Monitor 16/09/2020 16/09/2020 Budget Only Sales ... J00050.0 -- -- -- -- 0.00

00110 1 ☐ M Job Value Monitor 16/09/2020 16/09/2020 Budget Only Sales ... J00050.0 -- -- -- -- 0.00

00120 1 ☐ M Job Value Monitor 16/09/2020 16/09/2020 Budget Only Sales ... J00050.0 -- -- -- -- 0.00

00130 1 ☐ M Job Value Monitor 16/09/2020 16/09/2020 Budget Only Sales ... J00050.0 -- -- -- -- 0.00

00200 1 ☐ M Job Value Monitor 16/09/2020 16/09/2020 Budget Only Sales ... J00050.0 -- -- -- -- 0.00

Eng2Ord Suite

Test close Job

Close Job

Reopen Job

Job Value Monitor

Calc. WIP Completion

WIP Completion %

Job Value Monitor:

The data which is displayed will be memorized from the last launch of calculation, reporting the calculation reference date and each Job\Task progressive, by value, handled on the job. Some costs show the expected value (before posting) or the actual value (after posting).

Job No. ↑	Reference Calculation Date	Job Description	Bill-to Customer No.	Bill-to Name	Job creation Date	Job Purchase Order Value (LCY)	Job Purc. Outst. Value (LCY)	Purch. Rpt. Amt. to Invoiced	Production job - Material cost	Production job - Capacity cost	Production job - Subcontracted cost	Production job - general cost	Production job - General cap. cost	Production Semifinished
J00050	13/10/2020		10000	Cannon Group SpA	09/10/2020	4.052,75	4.052,75	0,00	0,00	482,40	0,00	0,00	0,00	0,00

View - Job Purchase Document Lines - J00050

Purchase Document Type ↑	Buy-from Vendor No.	Document No. ↑	Line No. ↑	Type	No.	Location Code	Document Date	Description
Order	01254796	106052	10000	Item	ENG-0006	J00050.0	16/09/2020	Moto
Order	01254796	106054	10000	Item	ENG-0006	J00050.0	16/09/2020	Moto
Order	01587796	106055	10000	Item	ENG-0202	J00050.0	16/09/2020	Profilli
Order	01863656	106056	10000	Item	ENG-0008	J00050.0	16/09/2020	Volan
Order	01905382	106057	10000	Item	ENG-0003	J00050.0	16/09/2020	Vernix

All the progressives are displayed on the grid, while in the section on the left they are grouped and totaled in different dashboards:

Sales Value: Values in Sales Orders, Sales Return Orders, Billable Planning Lines

Production costs: WIP situation of production divided into material, internal hours paid, returns from subcontracting

Job Direct costs: Costs charged directly from posting on job, divided into material, internal hours paid, C/G accounts

Job location costs: Inventory value present in job location, total sorted by job location, total order outstanding on location

Job Value Monitor WIP FactBox - Job	
Sales Value	
Sales value (LCY)	0,00
Sales Shpd. Not Inv. Value (LCY)	0,00
Sales Ret. Rcpt. Not Inv. Val.(LCY)	0,00
Sales Invoiced Value (LCY)	0,00
Prepayed Sales Value (LCY)	0,00
Prepayed to reverse Sales Value (LCY)	0,00
Schedule cost	
Resource (Cost) (LCY)	0,00
Item (Cost) (LCY)	10.000,00
G/L Account (Cost) (LCY)	0,00
Production Cost	
Material Cost	4.354,22
Capacity cost	486,00
Subcontracted cost	0,00
Mfg. Overhead Cost	0,00
Cap. Overhead cost	0,00
Job Item cost	0,00
Used capacity (hours)	405,00
Job Direct Cost	
Material usage cost	0,00
Purch. Rcpt. Amt. to Invoiced	4.354,22
Resource usage cost	0,00
Other usage cost	0,00
Used Resource (Hours)	0,00
Job Location Cost	
Inventory value	0,00
Job Purchase Order Value (LCY)	4.354,22
Job Purc. Outst. Value (LCY)	0,00
WIP Profit	
Profit Value	-4.840,22
Profit %	0

Job Value Monitor Act. FactBox - Job	
Sales value	
<u>Sales Invoiced Value (LCY)</u>	0,00
Prepayed Sales Value (LCY)	0,00
Prepayed to reverse Sales Value (LCY)	0,00
Sales (COGS)	0,00
Job direct cost	
Rolled-up Material Cost	0,00
Purch. Rcpt. Amt. to Invoiced	4.354,22
Rolled-up Capacity Cost	0,00
Rolled-up Capacity Cost	0,00

Monitor Detailed

Through this function you can see the calculated data summed up by thematic sections

Production job - Capacity cost (expected)	0,00	486,00
Production job - Subcontracting order co...	0,00	0,00
Production job - Prod. gen. cost (expect...	0,00	0,00
Production job - General cap. cost (exp...	0,00	0,00
Production job - Semifinished cost (exp...	0,00	0,00
		405,00

Job direct cost

	Actual
Direct job - Material cost	0,00
Direct Job - Resource Cost	0,00
Direct Job - Other Cost	0,00
Rolled-up Material Cost	0,00

Job location cost

	Expected	Actual
Job Loc. - Purch. Cost (expected)	4.354,22	0,00
Job Loc. - In.Transf.Cost (expected)	0,00	0,00
Job Loc. - Out.Tran.Cost (expected)	0,00	0,00
Job Loc. - Pos.Adj. Cost (expected)	0,00	0,00
Job Loc. - Neg.Adj. Cost (expected)	0,00	0,00
Job Loc. - Output Cost (expected)	0,00	0,00
Job Loc. - Cons. Cost (expected)	0,00	-4.354,22
Job Loc. - Sales Cost (expected)	0,00	0,00

Cost comparison >

3.15.2. Job value monitor period

Through this function it is possible to inquire the order values divided into monthly periods

Job No.	Job Task No.	Year	Month	Starting Period Date	Ending Period Date	Reference Calculation Date	Job Description	Bill-to Customer No.	Bill-to Name	Job Creation Date	Description	Job Task Category Code	Job Location Code	Job Purchase Order Value (LCY)	Job
J00050	00110	2020	9	01/09/2020	30/09/2020	13/10/2020		10000	Cannon Group SpA	09/10/2020	Manufacturing	M	J00050.0	4.052,75	
J00050	00110	2020	10	01/10/2020	31/10/2020	13/10/2020		10000	Cannon Group SpA	09/10/2020	Manufacturing	M	J00050.0	0,00	

3.15.3. Calculate WIP % di completion

The percentage progress of the job can be found in the following path: **Related → Job → Eng2Ord Suite → Job Value Monitor → Wip Completion %**

Job Card | Work Date 16/09/2020

J00050

Process Report Prices WIP Navigate Job Print/Save Actions **Related** Reports Fewer options

Job > WIP > Planning > History

Job Planning Lines

Dimensions

Sales Invoices/Credit Memos

Comments

Online Map

Attachments

Eng2Ord Suite

Test close Job

Close Job

Reopen Job

Job Value Monitor

WIP Structure

WIP Completion %

WIP Completion %

Posting

Status: Open

WIP Posting Method: Per Job

Job Posting Group:

WIP Method:

Apply Usage Link

% Completed: 0,00

% Invoiced: 0,00

% of Overdue Planning Lines: 0,00

Duration >

J00050 | Work Date 16/09/2020

Job Value WIP Entries

Search Calculate Job Value WIP Actions Fewer options

Entry No. 1	Job No.	Reference Calculation Date	Total Sales Budget (LCY)	Total Posted Sales (LCY)	Total Cost Budget (LCY)	Total Final Cost (LCY)	Direct Final Cost (LCY)	Post Final Cost (LCY)	Completion %	WIP Amount (LCY)	Warning
1	J00050	13/10/2020	0,00	0,00	0,00	482,40	0,00	482,40	0	482,40	

The date on which the calculation is made must be entered:

Calculate Job Value WIP

Options

Calculation Date 13/10/2020

Filter: Job

× No.

+ Filter...

Filter totals by:

+ Filter...

Advanced >

Schedule... OK Cancel

3.16 3.16. WBS and order phase scheduling

It is essential to keep the timing of the order under control in all its phases, even those not strictly of managerial impact (design and production).

In this regard, in BC it is possible to link a WBS to each job including the milestones whose progress the PM wants to monitor. You can create multiple WBS Templates to duplicate their details and then customize them for each job

← WBS TEMPLATE CARD | WORK DATE: 06/10/2020

TEST A

Indent WBS Template Release Reopen More options

General

No. TEST A Durata WBS (gg) 0

Description test 2 Creation Date 04/09/2020 0

Status Released Last Date Modified 04/09/2020

Lines Manage More options

WBS Task No.	WBS Task Type	WBS Task Base Description	Previous WBS Task No.	Previous link type	Duration Time (Days)	Group Duration Time (Days)	View in Moni...
→ 00.00.00	Begin-Group	Inizio Progetto					<input type="checkbox"/>
01.00.00	Begin-Group	Progettazione Iniziale					<input type="checkbox"/>
01.01.00	Detail	Raccolta requisiti		End-to-Start			<input type="checkbox"/>
01.02.00	Detail	Accettazione requisiti	01.01.00	End-to-Start			<input type="checkbox"/>

In the WBS header there are some planning data of the total job, some of which (for example, the Scheduled Elapsed time in days) will be displayed as the sum of the values indicated in the individual detailed tasks.

← WBS CARD | WORK DATE: 06/10/2020

WBS007

Release WBS Indent WBS activity Job Select template WBS ReOpen WBS Actions Navigate Fewer options

General Show more

No. WBS007 Status Open

Job No. J00050 Scheduled Starting Date 18/05/2020

Job Description Scheduled Ending Date 18/07/2020

Request Starting Date 01/09/2020 Schedule Elapsed Time (Days) 61

Request Ending Date 31/12/2020 WBS Schedule Status In Progress

Scheduling Type Foreward

Based on the type of schedule (forward or backward), the requested start and end date, estimated days in the tasks in detail, at the release of the WBS the planned start-end dates for each individual task will be proposed.

The PM will be able to fill in the percentage of completion in detail (in case of indication of the Effective end date, 100% will be considered by default). It is also possible to determine how much detailed you want to see the WBS structure monitor:

TEST A

Lines

Manage

More options

WBS Task No.	WBS Task Type	WBS Task Base Description	Previous WBS Task No.	Previous link type	Duration Time (Days)	Group Duration Time (Days)	View in Monitor
→ 00.00.00	Begin-Group	Inizio Progetto					<input type="checkbox"/>
01.00.00	Begin-Group	Progettazione Iniziale					<input type="checkbox"/>
01.01.00	Detail	Raccolta requisiti		End-to-Start			<input type="checkbox"/>
01.02.00	Detail	Accettazione requisiti	01.01.00	End-to-Start			<input type="checkbox"/>
01.03.00	Detail	Progettazione Prototipo	01.02.00	End-to-Start			<input type="checkbox"/>
01.04.00	Detail	Accettazione Prototipo	01.03.00	End-to-Start			<input type="checkbox"/>
01.99.99	End-Group	Termine progettazione					<input type="checkbox"/>
02.00.00	Begin-Group	Produzione Impianto					<input type="checkbox"/>
02.01.00	Detail	Approvvigionamento impianto	01.04.00	End-to-Start			<input type="checkbox"/>
02.02.00	Detail	Progettazione dettaglio	02.01.00	End-to-Start			<input type="checkbox"/>
02.99.99	End-Group	Termine produzione					<input type="checkbox"/>
99.99.99	End-Group	Fine Progetto					<input type="checkbox"/>

The result of these insertions will be the ability to view the progress of the job through the WBS Monitor:

WBS007

Lines	Manage	Line	Fewer options													
WBS Task No.		Previous Link Type	Duration Time (Days)	Group Duration Time (Days)	Fixed Schedule Type	Fixed Planned Starting Date	Fixed Planned Ending Date	Completion %	Detected Starting Date	Detected Ending Date	Planned Starting Date	Planned Ending Date	Planned Elapsed Time (Days)	Schedule Starting Date	Schedule Ending Date	
00.00.00																
01.00.00																
01.01.00		End-to-Start	6					100,00	01/06/2020	07/07/2020	01/09/2020	07/09/2020	6	01/06/2020	07/07/2020	
→ 01.02.00		End-to-Start	7					20,00	07/07/2020		07/09/2020	14/09/2020	7	07/07/2020	14/07/2020	
01.03.00		End-to-Start	4								14/09/2020	18/09/2020	4	14/07/2020	18/07/2020	
01.04.00		End-to-Start	5					100,00	18/05/2020	23/06/2020	18/09/2020	23/09/2020	5	18/05/2020	23/06/2020	
01.99.99				22					18/05/2020	07/07/2020	01/09/2020	23/09/2020	22	18/05/2020	18/07/2020	
02.00.00																
02.01.00		End-to-Start	4								23/09/2020	27/09/2020	4	23/06/2020	27/06/2020	
02.02.00		End-to-Start	5								27/09/2020	02/10/2020	5	27/06/2020	02/07/2020	
02.99.99				9							23/09/2020	02/10/2020	9	23/06/2020	02/07/2020	
99.99.99									07/07/2020		01/09/2020	02/10/2020	31	18/05/2020	18/07/2020	

WBS MONITOR | WORK DATE: 06/10/2020

✓ SAVED

🔍 Search

➕ New

✎ Edit List

🗑 Delete

🔗 Open WBS

📄 Open in Excel

More options

🔼

🔽

🔍

📄

WBS Task No. ↑	WBS Task Base Description	Completion %	Planned Starting Date	Planned Ending Date	Planned Elapsed Time (Days)	Fixed Planned Starting Date	Fixed Planned Ending Date	Detected Starting Date	Detected Ending Date	Schedule Starting Date	Schedule Ending Date
→ 00.00.00	Inizio Progetto	0%			0						
01.00.00	Progettazione Iniziale	0%			0						
01.01.00	Raccolta requisiti	100%	01/09/2020	07/09/2020	6			01/06/2020	07/07/2020	01/06/2020	07/07/2020
01.02.00	Accettazione requisiti	20%	07/09/2020	14/09/2020	7			07/07/2020		07/07/2020	14/07/2020
01.03.00	Progettazione Prototipo	0%	14/09/2020	18/09/2020	4					14/07/2020	18/07/2020
01.04.00	Accettazione Prototipo	100%	18/09/2020	23/09/2020	5			18/05/2020	23/06/2020	18/05/2020	23/06/2020
01.99.99	Termine progettazione	0%	01/09/2020	23/09/2020	22			18/05/2020	07/07/2020	18/05/2020	18/07/2020
02.00.00	Produzione Impianto	0%			0						
02.01.00	Approvvigionamento impianto	0%	23/09/2020	27/09/2020	4					23/06/2020	27/06/2020
02.02.00	Progettazione dettaglio	0%	27/09/2020	02/10/2020	5					27/06/2020	02/07/2020
02.99.99	Termine produzione	0%	23/09/2020	02/10/2020	9					23/06/2020	02/07/2020
99.99.99	Fine Progetto	0%	01/09/2020	02/10/2020	31				07/07/2020	18/05/2020	18/07/2020

4 APP SUBSCRIPTION

Each App functionality requires a valid subscription.

With the first installation, the system activates automatically a trial period.

At the end of the trial period is possible to subscribe a product level (functionality) using the Alterna Apps or directly from the system notifications, by clicking on the link that will open the product activation wizard.